

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
19 May 2005 (19.05.2005)

PCT

(10) International Publication Number
WO 2005/044229 A1

(51) International Patent Classification⁷: **A61K 9/10**

(21) International Application Number:
PCT/AU2004/001536

(22) International Filing Date:
5 November 2004 (05.11.2004)

(25) Filing Language:
English

(26) Publication Language:
English

(30) Priority Data:
10/703,094 5 November 2003 (05.11.2003) US
2004905501 23 September 2004 (23.09.2004) AU

(71) Applicant (for all designated States except US): **THE AUSTRALIAN NATIONAL UNIVERSITY [AU/AU]; Acton, Australian Capital Territory 2601 (AU).**

(72) Inventors; and

(75) Inventors/Applicants (for US only): **FRANCIS, Mathew, James [AU/AU]; 4 Bray Place, Curtin, Australian Capital Territory 2605 (AU). PASHLEY, Richard, Mark [AU/AU]; 22 Mackellar Crescent, Cook, Australian Capital Territory 2614 (AU).**

(74) Agents: **DE BRUYN, Paula et al.; Davies Collison Cave, 1 Nicholson Street, Melbourne, VIC 3000 (AU).**

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/044229 A1

(54) Title: DISPERSIONS AND METHODS OF PREPARING THEM

(57) Abstract: The present invention relates to dispersions of hydrophobic pharmaceutically active agents in an aqueous phase and methods for preparing them. Advantageously, the dispersions may be substantially free of additional surfactants, dispersants and stabilizers.